

Title (en)

BIOMETRIC AUTHENTICATION DEVICE, BIOMETRIC AUTHENTICATION SYSTEM, BIOMETRIC AUTHENTICATION METHOD AND RECORDING MEDIUM

Title (de)

VORRICHTUNG ZUR BIOMETRISCHEN AUTHENTIFIZIERUNG, SYSTEM ZUR BIOMETRISCHEN AUTHENTIFIZIERUNG, VERFAHREN ZUR BIOMETRISCHEN AUTHENTIFIZIERUNG UND AUFEICHNUNGSMEDIUM

Title (fr)

DISPOSITIF D'AUTHENTIFICATION BIOMÉTRIQUE, SYSTÈME D'AUTHENTIFICATION BIOMÉTRIQUE, PROCÉDÉ D'AUTHENTIFICATION BIOMÉTRIQUE ET SUPPORT D'ENREGISTREMENT

Publication

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Application

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Priority

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Abstract (en)

[origin: EP3702945A1] The present invention reduces the risk of user biometric information being leaked to a third party. A biometric authentication device (820) receives an echo signal (response signal) from a client device. The echo signal is formed as a result of an inspection signal being applied to an authentication subject by a client device, and the inspection signal being transmitted into the body or to the surface of the body of the authentication subject and changing into the echo signal. The biometric authentication device (820) comprises: an inspection signal generation unit (821) that generates the same inspection signal as the client device; a transmission characteristic calculation unit (823) that calculates, from the inspection signal and the echo signal, a transmission characteristic of the authentication subject; and an authentication unit (824) that authenticates the authentication subject by comparing a preregistered first transmission characteristic and a calculated second transmission characteristic.

IPC 8 full level

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CPC (source: EP US)

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